Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Math Journal

Module 5

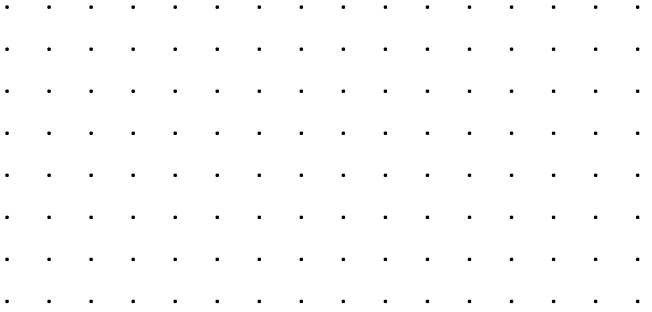
Lessons 1 - 21

Module: 5 Lesson: 1

**Read:**

Jackie and Ron both have 12 centimeter cubes. Jackie builds a tower 6 cubes high and 2 cubes wide. Ron builds one 6 cubes long and 2 cubes wide. Jackie says her structure has the greater volume because it is taller. Ron says that the structures have the same volume. Who is correct? Draw a picture to explain how you know. Use the grid.

**Draw:** Draw a picture to explain how you know. Use the grid.



**Write:**

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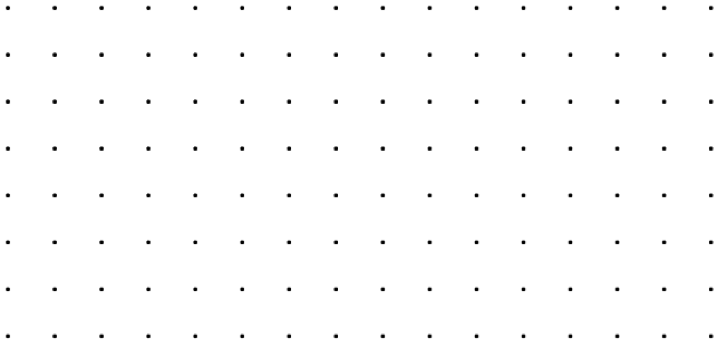
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Module: 5 Lesson: 2

**Read:**

Mike uses 12 centimeter cubes to build structures. Use centimeter cubes to build at least 3 different structures with the same volume as Mike’s. Record one of your structures on the dot grid.

**Draw:** Record one of your structures on the dot grid.



**Write:**

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Module: 5 Lesson: 3





**Write:**

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Module: 5 Lesson: 4



**Draw:**



**Write:** Explain Karen’s error.

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Module: 5 Lesson: 6





**Write:**

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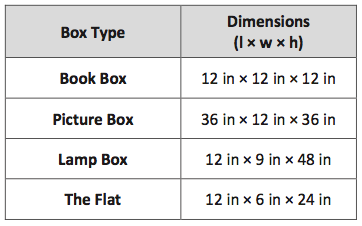
Module: 5 Lesson: 9

**Read:**

The chart below shows the dimensions of various rectangular packing boxes. If possible, answer the following without calculating the volume.

* Which box will provide the greatest volume?
* Which box has a volume that is equal to the volume of the book box? How do you know?
* Which box is ⅓ the volume of the lamp box?

**Draw:**



**Write:**

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Module: 5 Lesson: 10

**Read:**

Heidi and Andrew designed two raised flowerbeds for their garden. Heidi’s flowerbed was 5 feet long by 3 feet wide, and Andrew’s flowerbed was the same length but twice as wide. Calculate how many cubic feet of soil they need to buy to have soil to a depth of 2 feet in both flowerbeds.



**Write:**

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Module: 5 Lesson: 11





**Write:** Explain why or why not.

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Module: 5 Lesson: 12

**Read:**

Margo is designing a label. The dimensions of the label are

3 1/2 inches by 1 ¼ inches. What is the area of the label? Use the RDW process.



**Write:**

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Module: 5 Lesson: 13





**Write:**

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Module: 5 Lesson: 16





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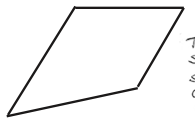
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Module: 5 Lesson: 17



**Draw:**



**Write:** Support your answer using the properties of trapezoids.

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Module: 5 Lesson: 18





**Write:**

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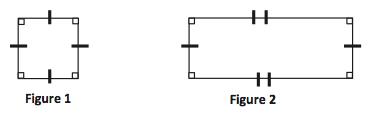
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Module: 5 Lesson: 19



**Draw:**



**Write:** Use properties to justify your answer.

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Module: 5 Lesson: 20





**Write:**

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